Doug Vernier - Telecommunications Consultants
07-11-2001 30 Sec. Terrain Data

KUNY BLED19880125KA
Channel = 218C3
Max ERP = 8 kW
RCAMSL = 460 M
N. Lat = 43 09 27
W. Lng = 93 08 11

KLSEFM BLED19980504KG
Channel = 219C1
Max ERP = 94 kW
RCAMSL = 638 M
N. Lat = 44 02 28
W. Lng = 92 20 25

Protected
60 dBu

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
001.0	000.9561	0113.7	019.7	219.3	094.0000	0296.7	101.2	54.8	**
003.0	000.8983	0114.9	019.5	218.9	094.0000	0296.7	100.9	54.9	**
005.0	000.8424	0115.7	019.2	218.5	094.0000	0296.7	100.8	55.0	**
007.0	000.7883	0116.5	019.0	218.1	094.0000	0296.3	100.6	55.0	**
009.0	000.7359	0116.3	018.6	217.7	094.0000	0296.3	100.6	55.0	**
011.0	000.7005	0114.6	018.2	217.3	094.0000	0295.5	100.7	55.0	**
013.0	000.6807	0112.3	017.9	216.9	094.0000	0295.5	100.7	54.9	**
015.0	000.6613	0111.6	017.7	216.5	094.0000	0294.2	100.6	54.9	**
017.0	000.6421	0112.4	017.6	216.1	094.0000	0294.2	100.5	55.0	**
019.0	000.6232	0112.9	017.5	215.8	094.0000	0294.2	100.4	55.0	**
021.0	000.6143	0113.2	017.5	215.4	094.0000	0292.6	100.3	55.0	**
023.0	000.6152	0113.5	017.5	215.1	094.0000	0292.6	100.1	55.0	**
025.0	000.6161	0113.5	017.5	214.8	094.0000	0292.6	100.0	55.1	**
027.0	000.6169	0113.2	017.5	214.4	094.0000	0290.8	099.9	55.0	**
029.0	000.6178	0112.6	017.5	214.1	094.0000	0290.8	099.9	55.1	**
031.0	000.6201	0111.1	017.3	213.7	094.0000	0290.8	100.0	55.0	**
033.0	000.6236	0110.5	017.3	213.4	094.0000	0289.3	100.0	55.0	**
035.0	000.6272	0110.5	017.3	213.0	094.0000	0289.3	100.0	55.0	**
037.0	000.6308	0109.8	017.3	212.7	094.0000	0289.3	100.0	55.0	**
039.0	000.6344	0109.3	017.3	212.3	094.0000	0288.0	100.1	54.9	**
041.0	000.6380	0109.4	017.3	212.0	094.0000	0288.0	100.2	54.9	**
043.0	000.6416	0109.9	017.4	211.6	094.0000	0288.0	100.2	54.9	**
045.0	000.6452	0110.5	017.5	211.3	094.0000	0286.8	100.3	54.8	**
047.0	000.6489	0111.7	017.6	210.9	094.0000	0286.8	100.3	54.8	**
049.0	000.6525	0112.4	017.7	210.6	094.0000	0286.8	100.4	54.8	**
051.0	000.6576	0113.2	017.8	210.2	094.0000	0285.7	100.5	54.7	**
053.0	000.6640	0113.7	017.9	209.9	094.0000	0285.7	100.7	54.7	**
055.0	000.6705	0113.5	017.9	209.5	094.0000	0285.7	100.9	54.6	**
057.0	000.6770	0113.4	018.0	209.2	094.0000	0284.4	101.1	54.5	**
059.0	000.6835	0113.6	018.0	208.9	094.0000	0284.4	101.4	54.4	**
061.0	000.6990	0113.8	018.1	208.5	094.0000	0284.4	101.6	54.3	**
063.0	000.7238	0113.7	018.3	208.2	094.0000	0282.9	101.8	54.2	**
065.0	000.7491	0113.3	018.4	207.9	094.0000	0282.9	102.1	54.1	**
067.0	000.7748	0113.4	018.6	207.5	094.0000	0282.9	102.4	54.0	**
069.0	000.8009	0114.1	018.8	207.2	094.0000	0280.9	102.6	53.9	
071.0	000.8393	0114.6	019.1	206.8	094.0000	0280.9	102.9	53.8	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
073.0	000.8908	0115.2	019.4	206.4	094.0000	0278.5	103.1	53.7
075.0	000.9439	0116.0	019.8	206.0	094.0000	0278.5	103.4	53.6
077.0	000.9986	0116.4	020.1	205.6	094.0000	0278.5	103.8	53.5
079.0	001.0547	0116.5	020.4	205.3	094.0000	0276.4	104.1	53.3
081.0	001.1316	0117.1	020.8	204.8	094.0000	0276.4	104.5	53.2
083.0	001.2312	0118.1	021.3	204.4	094.0000	0275.2	104.9	53.1
085.0	001.3350	0119.3	021.8	203.9	094.0000	0275.2	105.3	53.0
087.0	001.4430	0120.4	022.3	203.5	094.0000	0275.2	105.7	52.8
089.0	001.5551	0121.7	022.8	203.1	094.0000	0274.7	106.2	52.7
091.0	001.6825	0123.1	023.3	202.7	094.0000	0274.7	106.8	52.5
093.0	001.8263	0124.7	023.9	202.2	094.0000	0274.4	107.3	52.3
095.0	001.9761	0125.9	024.4	201.8	094.0000	0274.4	108.0	52.2
097.0	002.1317	0126.6	024.9	201.5	094.0000	0274.2	108.7	52.0
099.0	002.2932	0126.4	025.3	201.2	094.0000	0274.2	109.4	51.8
101.0	002.4615	0124.9	025.6	200.9	094.0000	0274.2	110.3	51.5
103.0	002.6367	0124.0	025.9	200.7	094.0000	0274.2	111.1	51.3
105.0	002.8179	0124.4	026.3	200.4	094.0000	0274.2	112.0	51.1
107.0	003.0052	0125.5	026.8	200.2	094.0000	0274.2	112.8	50.9
109.0	003.1984	0127.1	027.3	199.9	094.0000	0274.2	113.8	50.7
111.0	003.3894	0129.9	027.9	199.6	094.0000	0274.2	114.7	50.4
113.0	003.5773	0131.9	028.4	199.4	094.0000	0274.5	115.8	50.2
115.0	003.7703	0132.3	028.8	199.2	094.0000	0274.5	116.8	50.0
117.0	003.9683	0132.1	029.1	199.1	094.0000	0274.5	117.8	49.7
119.0	004.1714	0132.5	029.5	199.0	094.0000	0274.5	118.9	49.5
121.0	004.3631	0133.9	029.9	198.9	094.0000	0274.5	120.0	49.3
123.0	004.5421	0460.0	052.1	189.3	094.0000	0283.4	128.2	47.7
125.0	004.7247	0460.0	052.5	189.6	094.0000	0283.1	130.0	47.4
127.0	004.9110	0460.0	052.8	189.8	094.0000	0283.1	131.8	47.0
129.0	005.1008	0460.0	053.2	190.0	094.0000	0283.1	133.6	46.6
131.0	005.2812	0460.0	053.5	190.3	094.0000	0283.1	135.4	46.2
133.0	005.4516	0460.0	053.8	190.6	094.0000	0281.8	137.2	45.8
135.0	005.6247	0460.0	054.1	190.9	094.0000	0281.8	138.9	45.5
137.0	005.8004	0460.0	054.4	191.3	094.0000	0281.8	140.6	45.1
139.0	005.9789	0460.0	054.7	191.7	094.0000	0279.5	142.3	44.7
141.0	006.1348	0460.0	054.9	192.1	094.0000	0279.5	144.0	44.4
143.0	006.2672	0460.0	055.1	192.5	094.0000	0277.1	145.6	44.0
145.0	006.4010	0460.0	055.3	193.0	094.0000	0277.1	147.2	43.7
147.0	006.5363	0460.0	055.5	193.4	094.0000	0277.1	148.7	43.5
149.0	006.6729	0460.0	055.7	193.9	094.0000	0276.1	150.3	43.2